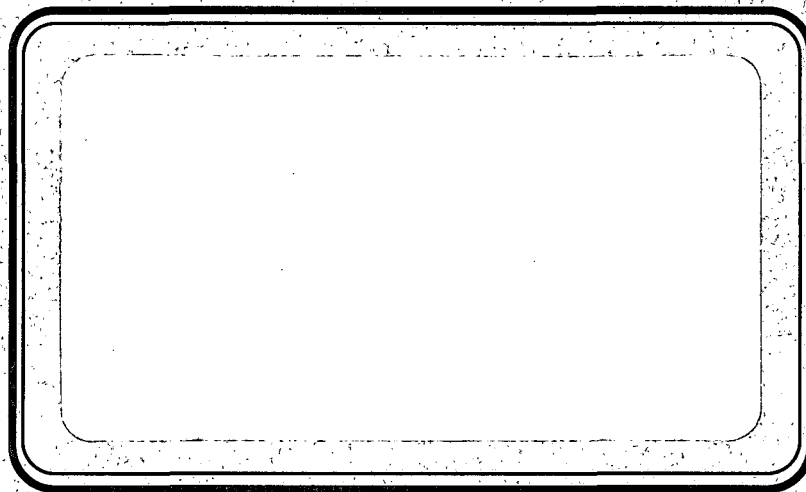




Central Testing Laboratory

Engineering and Materials Testing



LEESBURG • FLORAL CITY • OCALA

4060 c 00092
WAC 53008
THIRD QUARTER 2000
GROUNDWATER MONITORING REPORT

SUMTER COUNTY SOLID WASTE
SUMTERVILLE, SUMTER COUNTY, FLORIDA

Q3 PS

CENTRAL TESTING LABORATORY

0084001.300
AUGUST 2000

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Sumter County Solid Waste Management Facility
Address 319 E. Anderson Avenue
City Bushnell Zip 33513
Telephone Number (352) 793-0240
- (2) The GMS Identification Number 4060C00092
- (3) DEP Permit Number 22926-002-SF
- (4) Authorized Representative Name Garry Breedon
Address 319 E. Anderson Avenue
City Bushnell Zip 33513
Telephone Number (352) 793-0240
- (5) Type of Discharge _____
- (6) Method of Discharge Groundwater Slow Rate Infiltration

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 8-21-00


Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization Comp QAP # 92011G
- Analytical Lab Comp QAP #/HRS Certification # 860008G
* Comp QAP #/HRS Certification # E83018 & 83139
- Lab Name Flowers Chemical Laboratory
Address 481 Newburyport Avenue Altamonte Springs, FL 32701
Phone Number (407) 339-5984

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12054
Well Name MONITOR WELL 1
Classification of Groundwater G-II

(CTRL-ALT-7)

Sample Date 07-19-00
Well Type () Background
() Site Boundary
(x) Intermediate
() Compliance
Groundwater Elevation
(above MSL) 41.34 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

SEMLP
W 4534

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	82.0	°C	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	133	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00211	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.00053	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.132	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	0.00028	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.0537	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.391	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.0111	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	0.00089	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	7.17	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.200	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	7.37	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0001	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	3.30	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	34.2	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	6.05	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	20.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.0121	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.391	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12054
Well Name MONITOR WELL 1
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type () Background
() Site Boundary
(x) Intermediate
() Compliance
Groundwater Elevation
(above MSL) 41.34 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.200	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	2.31	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	0.0673	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	7.37	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00028	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	8.23	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	116	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	350.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.0172	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	56.0	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	8.50	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	5.50	pCi/l	UNFILTERED	HNO

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 406000092
Monitoring Well 4060A12055
Well Name MONITOR WELL 2
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 42.31 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

w 4535

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	84.0	°F	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	186	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.00029	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.117	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0001	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.0226	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.834	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	0.00606	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	0.00064	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	7.60	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.200	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	7.80	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0001	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	7.24	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	9.71	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	5.03	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	200.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	0.0158	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.834	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 406000092
Monitoring Well 4060A12055
Well Name MONITOR WELL 2
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 42.31 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERV ATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.200	mg/l	UNFILTERED	NONE
	MANGANESE	GRAB	EPA 200.7	0.506	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	3.95	mg/l	UNFILTERED	HNO ₃
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.28	ST. UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00022	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	13.8	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	162.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	135.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	0.00109	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	19.7	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	0.900	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	3.70	pCi/l	UNFILTERED	HNO ₃

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 4
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type () Background
(x) Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 41.28 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

W 4537

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	83.0	°F	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	746	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	<0.0001	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0165	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0001	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	<0.0001	µg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00526	µg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.228	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	14.6	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.200	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	14.80	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	0.00116	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	42.0	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	1.59	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	59.6	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	15.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.228	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 4
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type () Background
(x) Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 41.28 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
900219	FOAMING AGENTS	GRAB	EPA 425.1	<0.200	mg/l	UNFILTERED	NONE
	IRON	GRAB	EPA 236.1	0.159	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	0.0123	mg/l	UNFILTERED	NONE
000400	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
	Ph	GRAB	EPA 150.1	6.12	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	<0.00005	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	9.22	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	470.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	22.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	19.6	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	1.50	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	2.80	pCi/l	UNFILTERED	HNO ₃

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PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 6A
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 41.21 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

w 4557

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	84.0	°F	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	215	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	<0.0001	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0165	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0001	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.0358	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.438	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	12.2	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.200	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	12.4	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0001	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	3.79	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	11.6	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	9.90	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	400.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.438	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A12057
Well Name MONITOR WELL 6A
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 41.21 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.200	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	1.12	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	0.0482	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	7.03	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00042	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	10.9	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	174.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	900.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	54.0	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	2.00	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	0.800	pCi/l	UNFILTERED	HNO ₃

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A14304
Well Name MONITOR WELL 7
Classification of Groundwater G-II

07-19-00
Sample Date ~~04-26-00~~
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 42.06 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

4564

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	82.0	°F	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	218	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.00016	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0328	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0001	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.0274	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.200	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	9.50	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.200	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	9.70	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0001	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	3.60	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	2.42	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	10.3	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	200.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.200	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A14304
Well Name MONITOR WELL 7
Classification of Groundwater G-II

Sample Date 04-26-00
Well Type () Background
() Site Boundary
() Intermediate
(x) Compliance
Groundwater Elevation
(above MSL) 42.06 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
900219	FOAMING AGENTS	GRAB	EPA 425.1	<0.200	mg/l	UNFILTERED	NONE
	IRON	GRAB	EPA 236.1	1.21	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	0.0226	mg/l	UNFILTERED	NONE
000400	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
	Ph	GRAB	EPA 150.1	6.97	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	0.00022	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	5.59	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	190.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	385.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	23.0	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	1.500	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	3.60	pCi/l	UNFILTERED	HNO ₃

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PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17008
Well Name MONITOR WELL 8
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 42.26 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

w 4592

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	80.0	°F	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	295	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00190	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	<0.0001	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.00694	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0001	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.0111	mg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00452	mg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.200	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	3.76	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.2000	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	3.96	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	0.00022	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	4.07	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	0.355	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	6.71	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	200.0	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.200	mg/l	UNFILTERED	NONE

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17008
Well Name MONITOR WELL 8
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 42.26 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	<0.200	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.551	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 200.7	0.0620	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.66	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	<0.00005	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	5.59	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	214.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	5.00	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	2.00	pCi/l	UNFILTERED	HNO ₃
	RADIUM 266	GRAB	EPA 903.1	1.20	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	1.80	pCi/l	UNFILTERED	HNO ₃

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PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17009
Well Name MONITOR WELL 9
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 41.79 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

W 4593

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
000010	TEMPERATURE	GRAB	EPA 170.1	856.0	°F	UNFILTERED	NONE
000095	SPECIFIC CONDUCTANCE	GRAB	EPA 120.1	738	umhos	UNFILTERED	NONE
	ANTIMONY	GRAB	EPA 204.2	0.00150	mg/l	UNFILTERED	HNO ₃
	ARSENIC	GRAB	EPA 206.3	0.00020	mg/l	UNFILTERED	HNO ₃
	BARIUM	GRAB	EPA 200.7	0.0188	mg/l	UNFILTERED	HNO ₃
	BERYLLIUM	GRAB	EPA 210.1	<0.0001	mg/l	UNFILTERED	HNO ₃
001027	CADMIUM	GRAB	EPA 200.7	0.00319	µg/l	UNFILTERED	HNO ₃
001034	CHROMIUM	GRAB	EPA 200.7	0.00489	µg/l	UNFILTERED	HNO ₃
	CYANIDE	GRAB	EPA 335.2	<0.0100	mg/l	UNFILTERED	NaOH
	FLUORIDE	GRAB	EPA 340.2	0.200	mg/l	UNFILTERED	NONE
	LEAD	GRAB	EPA 239.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	MERCURY	GRAB	EPA 245.1	<0.0002	mg/l	UNFILTERED	HNO ₃
	NICKEL	GRAB	EPA 200.7	<0.0001	mg/l	UNFILTERED	HNO ₃
000620	NITRATE	GRAB	EPA 353.1	0.302	mg/l	UNFILTERED	H ₂ SO ₄
	NITRITE	GRAB	EPA 354.1	<0.2000	mg/l	UNFILTERED	H ₂ SO ₄
	TOTAL NITRATE AND NITRITE	GRAB	EPA 343.1	0.502	mg/l	UNFILTERED	H ₂ SO ₄
	SELENIUM	GRAB	EPA 270.3	<0.0001	mg/l	UNFILTERED	HNO ₃
000929	SODIUM	GRAB	EPA 200.7	9.63	mg/l	UNFILTERED	NONE
	THALLIUM	GRAB	EPA 279.2	<0.0001	mg/l	UNFILTERED	HNO ₃
	ALUMINUM	GRAB	EPA 200.7	0.308	mg/l	UNFILTERED	HNO ₃
	CHLORIDE	GRAB	EPA 325.3	10.8	mg/l	UNFILTERED	NONE
000080	COLOR	GRAB	EPA 110.1	<5.00	PTU	UNFILTERED	NONE
	COPPER	GRAB	EPA 220.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	FLUORIDE	GRAB	EPA 340.1	0.200	mg/l	UNFILTERED	NONE

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PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4060C00092
Monitoring Well 4060A17009
Well Name MONITOR WELL 9
Classification of Groundwater G-II

Sample Date 07-19-00
Well Type (x) Background
() Site Boundary
() Intermediate
() Compliance
Groundwater Elevation
(above MSL) 41.79 ft.

Well Developed* Prior to
Sample Collection (Yes/No) YES

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULTS	UNITS	SAMPLE FILTERED/ UNFILTERED	PRESERVATIVES ADDED
	FOAMING AGENTS	GRAB	EPA 425.1	0.211	mg/l	UNFILTERED	NONE
900219	IRON	GRAB	EPA 236.1	0.322	mg/l	UNFILTERED	HNO ₃
	MANGANESE	GRAB	EPA 903.1	0.0208	mg/l	UNFILTERED	NONE
	ODOR	GRAB	EPA 140.1	<1.00	TON	UNFILTERED	NONE
000400	Ph	GRAB	EPA 150.1	6.43	ST.UN.	UNFILTERED	HNO ₃
	SILVER	GRAB	EPA 200.7	<0.00005	mg/l	UNFILTERED	NONE
000945	SULFATE	GRAB	EPA 300.0	7.57	mg/l	UNFILTERED	HNO ₃
070300	TOTAL DISSOLVED SOLIDS	GRAB	EPA 160.1	504.0	mg/l	UNFILTERED	NONE
082079	TURBIDITY	GRAB	EPA 180.1	42.0	NTU	UNFILTERED	NONE
900221	ZINC	GRAB	EPA 289.1	<0.0001	mg/l	UNFILTERED	HNO ₃
	AMMONIUM	GRAB	EPA 350.1	<0.0300	mg/l	UNFILTERED	H ₂ SO ₄
	GROSS ALPHA Excl. Ra & U	GRAB	EPA 900	10.2	pCi/l	UNFILTERED	HNO ₃
	RADIUM 226	GRAB	EPA 903.1	2.80	pCi/l	UNFILTERED	HNO ₃
	RADIUM 228	GRAB	EPA 904	0.600	pCi/l	UNFILTERED	HNO ₃

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

FLOWERS CHEMICAL LABORATORIES																
ANALYTICAL RESULTS FORM																
NRS Number 43129																
Parameter	Symbol	Unit	SL1	SL2	SL4	SL6A	SL7	SL8	SL9					QA	Section	
Gross alpha	*	pCi/L	56J	19.7J	19.6J	54J	23J	2J	10.2J					EPA900	0.1	
Analysis Error(50)	*	pCi/L	4.00	1.50	2.50	8.00	3.00	0.500	2.40					EPA900	0.1	
Radon-226	*	pCi/L	8.5J	0.9J	1.5J	2J	1.5J	1.2J	2.8J					EPA903	0.1	
Analysis Error(226)	*	pCi/L	1.00	0.200	0.200	0.200	0.200	0.200	0.300					EPA903	0.1	
Radon-228	*	pCi/L	5.5J	3.7J	2.8J	0.8J	3.6J	1.8J	0.6J					EPA904	0.3	
Analysis Error(228)	*	pCi/L	3.30	1.40	0.900	0.800	1.00	0.800	0.700					EPA904	0.3	
Gross beta	*	pCi/L	-	-	-	-	-	-	-					EPA900	0.1	
Analysis Error(beta)	*	pCi/L	-	-	-	-	-	-	-					EPA900	0.1	
Ammonium(as N)	*	mg/L	<0.03U	<0.03U	<0.03U	<0.03U	<0.03U	<0.03U	<0.03U					EPA950.1	0.03	21.7
Cyanide	*	mg/L	<0.01U	<0.01U	<0.01U	0.0327	<0.01U	<0.01U	<0.01U					EPA335.2	0.01	38.8
Tapwater	*	NTU	350.1	135.1	22.1	900.1	385.1	5.1	42.1					EPA183.1	0.05	12.6
Arsenic	*	mg/L	0.000029	0.000292	<0.0001U	0.000261	0.000153	<0.0001U	0.000203					EPA8020	0.0001	6.40
Barium	*	mg/L	0.132	0.117	0.0185	0.0633	0.0328	0.0034	0.0183					EPA8020	0.0001	7.74
Cadmium	*	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	0.0111	0.03219					EPA8020	0.0001	1.85
Chromium	*	mg/L	0.0537	0.0226	0.02626	0.0356	0.0274	0.00422	0.00422					EPA8020	0.0001	8.69
Cyanide	*	mg/L	-	-	-	-	-	-	-					SM4500-C	0.01	
Fluoride	*	mg/L	0.391J	0.834J	0.228J	0.438J	<0.00U	<0.00U	<0.00U					EPA300.0	0.05	
Lead	*	mg/L	0.0111	0.00606	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA8020	0.0001	7.92
Magnesium	*	mg/L	0.000520	0.000646	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA7470	0.0002	6
Mercury	*	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA8020	0.0001	
Nitrateas N	*	mg/L	9.17	7.60	14.6	12.2	9.50	3.76	0.302					EPA300.0	0.2	7.17
Nitrateas N	*	mg/L	0.0507J	<0.2U	0.0812J	<0.2U	0.0305J	<0.2U	<0.2U					EPA300.0	0.2	0.740
Selenium	*	mg/L	<0.0001U	<0.0001U	0.00116	<0.0001U	<0.0001U	0.00022	<0.0001U					EPA8020	0.0001	8.73
Sodium	*	mg/L	3.30	7.24	42.0	3.79	3.60	4.07	9.63					EPA8020	0.05	0.259
Antimony	*	mg/L	0.00011	<0.0001U	<0.0001U	<0.0001U	<0.0001U	0.00180	0.00150					EPA8020	0.0001	5.09
Beryllium	*	mg/L	0.000282	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA8020	0.0001	2.93
Thallium	*	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA8020	0.0001	5.91
Asbestos	*	MFL	-	-	-	-	-	-	-					TEM	1	
Aluminum	*	mg/L	34.2	9.71	1.59	11.6	2.42	0.355	0.508					EPA8020	0.0005	0.189
Chloride	*	mg/L	6.05	5.03	59.6	9.90	10.3	6.71	10.8					EPA300	0.4	0.319
Copper	*	mg/L	0.0121	0.0158	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA8020	0.0001	6.60
Fluoride	*	mg/L	-	-	-	-	-	-	-					SM4500F	0.05	
Iron	*	mg/L	3.31	2.95	0.159	1.12	1.21	0.561	0.322					EPA8020	0.01	0.630
Manganese	*	mg/L	0.0079	0.500	0.0120	0.0480	0.0220	0.0620	0.0300					EPA8020	0.005	0.351
Silver	*	mg/L	0.000279	0.000291	<0.0000U	0.000433	0.000210	<0.0000U	<0.0000U					EPA8020	0.0005	4.02
Sulfate	*	mg/L	8.23J	13.6J	9.22J	10.9J	5.55J	5.55J	7.57J					EPA300.0	1	15.0
Zinc	*	mg/L	0.0172	0.00109	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U					EPA8020	0.0001	7.94
Color (pcu units)	*	pcu	20.0	200	15.0	400	200	200	<5					SM120B		
Color (total color unit)	*	pcu	<1U	<1U	<1U	<1U	<1U	<1U	<1U					SM2500	1	
Oil Content	*	wt	8.25	3.90	7.70	8.00	7.90	7.80	7.50					EPA150.1	0.05	0.680
Total Dissolved Solids	*	mg/L	116	182	470	174	180	214	504					SM2500	2.5	10.5
Residual Solids	*	mg/L	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U	<0.2U	0.21U					SM2500	0.2	0.0120
Date Received			07-20-00				Typed		08-16-00		Sent		08-16-00			
Project Number	Sumter Co Pub. W		Qualifier Key													
PO Number	Sumter Landfill		J		Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;											
Date Sampled	1 07-19-00 *				The sample matrix interfered with the ability to make any accurate determination;											
Date Analyzed	1				The reported value is between the MDL and the PQL.											
Compacted	1		Q		Sample held beyond the accepted holding time.											
Forecast	Norm/III		U		Indicates that the compound was analyzed for but not detected.											
Unit Cost	Extnd		V		Indicates that the analyte was detected in both the sample and the associated method blank											

040128	4000	7 *
04	4000	7 *
040128	2700	7 *
0401	1000	7 *
1B	200	7 *
040128	2500	7 *

Date Sampled: Jul19 2000 Date Received: Jul20 2000 Lab Numbers: 8042-8048
REPORT OF ANALYSIS

Parameter	Unit	Reportable	%Rec	%RSD	SL1	SL2	SL4	SL6A	SL7
Detection Limit									
Gross alpha	pCi/L	0.100	56.0	19.7	19.6	54.0	23.0		
Analysis Error	pCi/L	0.100	4.00	1.50	2.50	8.00	3.00		
Radium 226	pCi/L	0.100	8.50	0.900	1.50	2.00	1.50		
Analysis_Error(226)	pCi/L	0.100	1.00	0.200	0.200	0.200	0.200		
Radium 228	pCi/L	0.300	5.50	3.70	2.80	0.800	3.60		
Analysis_Error(228)	pCi/L	0.300	3.30	1.40	0.900	0.800	1.00		
Gross_Beta	pCi/L	0.100	-	-	-	-	-		
Analysis_Error(Gb)	pCi/L	0.100	-	-	-	-	-		
Ammonia(as N)	mg/L	0.0300	98.5	21.7	<.0300	<.0300	<.0300	<.0300	<.0300
Cyanide	mg/L	0.0100	91.1	38.8	<.0100	<.0100	<.0100	0.0327	<.0100
Turbidity	NTU	0.0500	97.5	12.6	350.	135.	22.0	900.	385.
Arsenic	mg/L	.00010	88.8	6.40	.00053	.00029	<.0001	.00026	.00016
Barium	mg/L	.00010	90.7	7.74	0.132	0.117	0.0165	0.0633	0.0328
Cadmium	mg/L	.00010	84.8	1.85	<.0001	<.0001	<.0001	<.0001	<.0001
Chromium	mg/L	.00010	95.1	8.89	0.0537	0.0226	.00526	0.0358	0.0274
Cyanide	mg/L	0.0100	-	-	-	-	-	-	-
Fluoride	mg/L	0.0500	0.391	0.834	0.228	0.438	0.200		
Lead	mg/L	.00010	87.5	7.92	0.0111	.00606	<.0001	<.0001	<.0001
Mercury	mg/L	.00020	117.	.000	.00089	.00064	<.0002	<.0002	<.0002
Nickel	mg/L	.00010	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
Nitrate(as N)	mg/L	0.200	125.	7.17	9.17	7.60	14.6	12.2	9.50
Nitrite(as N)	mg/L	0.200	106.	.740	<0.200	<0.200	<0.200	<0.200	<0.200
Selenium	mg/L	.00010	87.1	8.73	<.0001	<.0001	.00116	<.0001	<.0001
Sodium	mg/L	0.0500	106.	.250	3.30	7.24	42.0	3.79	3.60
Antimony	mg/L	.00010	89.5	5.09	.00211	<.0001	<.0001	<.0001	<.0001
Beryllium	mg/L	.00010	104.	2.93	.00028	<.0001	<.0001	<.0001	<.0001

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

Received From: Cent. Testing Lab
 PO Box 883
 FloralCity, FL 34436

Date Reported : Aug16 2000
 Project Number : Sumter Co Pub. W
 PO Number : Sumter Landfill
 FLDOH Number : E83018
 NYSDOH Number : 11595
 CTDPH Number : 0173
 NCDEHNR Number : 296
 SCDHEC Number : 96019

For: Secs93 GA Ra226228 NH4 TB PrimInorg93
 Date Sampled: Jul19 2000 Date Received: Jul20 2000 Lab Numbers: 8042-8048
 REPORT OF ANALYSIS

Parameter	Unit	Reportable	%Rec	%RSD	SL1	SL2	SL4	SL6A	SL7
	Detection Limit								
Thallium mg/L	.00010	89.0	5.91	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
Asbestos MF/L	1.00	-	-	-	-	-	-	-	-
Aluminum mg/L	.00050	103.	.180	34.2	9.71	1.59	11.6	2.42	
Chloride mg/L	0.400	97.9	.810	6.05	5.03	59.6	9.90	10.3	
Copper mg/L	.00010	85.8	6.69	0.0121	0.0158	<.0001	<.0001	<.0001	
Fluoride mg/L	0.0500	-	-	-	-	-	-	-	
Iron mg/L	0.0100	96.9	.630	2.31	3.95	0.159	1.12	1.21	
Manganese mg/L	.00500	100.	.350	0.0673	0.506	0.0123	0.0482	0.0226	
Silver mg/L	.00005	129.	4.02	.00028	.00022	<5e-05	.00042	.00022	
Sulfate mg/L	1.00	66.1	15.0	8.23	13.8	9.22	10.9	5.59	
Zinc mg/L	.00010	72.8	7.94	0.0172	.00109	<.0001	<.0001	<.0001	
Color (color units) PCU	5.00			20.0	200.	15.0	400.	200.	
Odor (total odor num TON	1.00			<1.00	<1.00	<1.00	<1.00	<1.00	
pH pH	0.0500	100.	.680	8.25	7.90	7.70	8.00	7.90	
TDS mg/L	2.50	119.	10.5	116.	162.	470.	174.	190.	
Foaming_Agents mg/L	0.200	77.4	.010	<0.200	<0.200	<0.200	<0.200	<0.200	

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For: Secs93 GA Ra226228 NH4 TB PrimInorg93

Date Sampled: Jul19 2000 Date Received: Jul20 2000 Lab Numbers: 8042-8048

REPORT OF ANALYSIS

		8047	8048		
Parameter	Unit	Reportable	%Rec	%RSD	SL8 SL9
Detection					
Limit					
Gross alpha	pCi/L	0.100	2.00	10.2	
Analysis Error	pCi/L	0.100	0.500	2.40	
Radium 226	pCi/L	0.100	1.20	2.80	
Analysis_Error(226)	pCi/L	0.100	0.200	0.300	
Radium 228	pCi/L	0.300	1.80	0.600	
Analysis_Error(228)	pCi/L	0.300	0.800	0.700	
Gross_Beta	pCi/L	0.100	-	-	
Analysis_Error(Gb)	pCi/L	0.100	-	-	
Ammonia(as N)	mg/L	0.0300	98.5	21.7	<.0300 <.0300
Cyanide	mg/L	0.0100	91.1	38.8	<.0100 <.0100
Turbidity	NTU	0.0500	97.5	12.6	5.00 42.0
Arsenic	mg/L	.00010	88.8	6.40	<.0001 .00020
Barium	mg/L	.00010	90.7	7.74	.00694 0.0188
Cadmium	mg/L	.00010	84.8	1.85	0.0111 .00319
Chromium	mg/L	.00010	95.1	8.89	.00452 .00489
Cyanide	mg/L	0.0100	-	-	
Fluoride	mg/L	0.0500	0.200	0.200	
Lead	mg/L	.00010	87.5	7.92	<.0001 <.0001
Mercury	mg/L	.00020	117.	.000	<.0002 <.0002
Nickel	mg/L	.00010	<.0001	<.0001	
Nitrate(as N)	mg/L	0.200	125.	7.17	3.76 0.302
Nitrite(as N)	mg/L	0.200	106.	.740	<0.200 <0.200
Selenium	mg/L	.00010	87.1	8.73	.00022 <.0001
Sodium	mg/L	0.0500	106.	.250	4.07 9.63
Antimony	mg/L	.00010	89.5	5.09	.00190 .00150
Beryllium	mg/L	.00010	104.	2.93	<.0001 <.0001

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For: Secs93 GA Ra226228 NH4 TB PrimInorg93
 Date Sampled: Jul19 2000 Date Received: Jul20 2000 Lab Numbers: 8042-8048
 REPORT OF ANALYSIS

8047 8048					
Parameter	Unit	Reportable	%Rec	%RSD	SL8 SL9
Detection Limit					
Thallium mg/L	.00010	89.0	5.91	<.0001	<.0001
Asbestos MF/L	1.00	-	-	-	-
Aluminum mg/L	.00050	103.	.180	0.355	0.308
Chloride mg/L	0.400	97.9	.810	6.71	10.8
Copper mg/L	.00010	85.8	6.69	<.0001	<.0001
Fluoride mg/L	0.0500	-	-	-	-
Iron mg/L	0.0100	96.9	.630	0.551	0.322
Manganese mg/L	.00500	100.	.350	0.0620	0.0208
Silver mg/L	.00005	129.	4.02	<5e-05	<5e-05
Sulfate mg/L	1.00	66.1	15.0	5.59	7.57
Zinc mg/L	.00010	72.8	7.94	<.0001	<.0001
Color (color units) PCU	5.00	200.	<5.00		
Odor (total odor num TON	1.00	<1.00	<1.00		
pH pH	0.0500	100.	.680	7.80	7.50
TDS mg/L	2.50	119.	10.5	214.	504.
Foaming_Agents mg/L	0.200	77.4	.010	<0.200	0.211

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 President/Technical Director

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SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

